

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CAU 2826/HB  
PATENT APPLICATION

Inventor(s): MANABE et al.

Appl. No.: 09 | 783,035

Series Code ↑

Serial No. ↑

Filed: February 15, 2001

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

REPLY/AMENDMENT/LETTER

Date: September 5, 2001

This is a reply/amendment/letter in response to the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

## FEE REQUIREMENTS FOR CLAIMS AS AMENDED

## 1. Small Entity claim

- A. ☒ NOT made  
 B. ☐ Withdrawn  
 C. ☐ made herewith  
 D. ☐ made previously
- For B & C  
 See **Required**  
**Separate Paper**  
 (Pat-256)

	Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	19	**minus 20	0	x \$18/\$9 =	+ \$0	103/203
3. Independent Claims	5	***minus 4	1	x \$80/\$40 =	+ \$80	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) .....	add			+ \$270/\$135 =	+ \$0	104/204
5. Original due Date:	<input checked="" type="checkbox"/> NONE					
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached	(1 mo)	\$110/\$55 =				115/215
	(2 mos)	\$390/\$195 =		+ \$0		116/216
	(3 mos)	\$890/\$445 =				117/217
	(Usable only for ≤ 2mo.OA --- 4 mos)	\$1390/\$695=				118/218
	(Usable only for 30 day/1mo.OA --- 5 mos)	\$1890/\$945=				128/228
7. Enter any previous extension fee paid since above original due date and subtract				- \$0		
8. Extension Fee Attached				+ \$0		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee .....				+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c), .....				+ \$180	+ \$0	126
or if Rule 97(d) Request .....				+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r) .....				+ \$710/355	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b).....				x \$710/355 ea	+ \$0	149/249
13. Request for Continued Examination (RCE) .....				+ \$710/355	+ \$0	1179/1279
14. Petition fee for .....				+ \$0		
15. TOTAL FEE ENCLOSED =				\$80		

16. \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 31317 | 276665

C#

M#

**CHARGE STATEMENT:** The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP

Intellectual Property Group

By Atty: Gregory P. Brummett

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In re PATENT APPLICATION OF

MANABE et al.

Application No. 09/783,035

Filed: February 15, 2001

Title: LIGHT-EMITTING SEMICONDUCTOR  
DEVICE USING GROUP III NITRIDE COMPOUND



SEP -7 2001

TECHNOLOGY CENTER 2800

Group Art Unit: 2811

Examiner: M. Tran

*Signature*  
#61D  
9-20-01

\* \* \* \* \*

September 5, 2001

**FOURTH PRELIMINARY AMENDMENT**

Hon. Commissioner of Patents  
Washington, D.C.

Dear Sir:

Prior to the examination, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please add the following new claim:

19. (new) A semiconductor light emitting device comprising:

a substrate; and

GaN-type compound semiconductor layers stacked on the substrate,

the GaN-type layers including

at least one active layer,

at least one n-type layer, and

at least one p-type layer;

wherein

a band gap energy of the one n-type layer

is smaller than

a band gap energy of the one p-type layer.

09/07/2001 MWLDER1 00000035 09783035

01 FC:102

80.00 DP

*D'*  
*add*  
*ET*